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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/778,818	02/08/2001	Edlis Ofir	P-3309-US	7716

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EXAMINER

GHULAMALI, QUTBUDDIN

ART UNIT PAPER NUMBER

2637

DATE MAILED: 07/28/2004

#7

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/778,818

Applicant(s)

OFIR ET AL.

Examiner

Qutub Ghulamali

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 08 February 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 08 February 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- 1) ☐ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date <u>4, 5</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

2. Claims 1-19 are rejected under 35 U.S.C. 102(e) as being anticipated by Butler et al (“Butler”) (US Patent 6,584,313).

Consider claims 1, 2, 10, 15, Butler discloses a searcher used to detect spread spectrum signals for processing CDMA signals, activating a RF receiver in the WCD, receive RF signals, convert to baseband; deactivating the RF receiver after receiving the signal and background processing using only the digital circuitry to conserve power (col. 5, lines 12-20) storing the received signal in a memory, demodulating the received signal to determine if a quick page has been received by the WCD, and activating the RF receiver and a searcher in the WCD to receive the paging message if the quick page has been received by the WCD (col. 8, lines 7-19).

Regarding claim 3, Butler discloses processing comprise of a CDMA based digital cellular system (col. 1, lines 25-38; col. 4, lines 1-9).

Regarding claims 4, 5, Butler discloses performing correspondence (synchronization) between the first set of PN samples and the search results to determine any difference in the neighboring channel (cell) between the two events (col. 5, lines 34-50; col. 6, lines 58-60)

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Regarding claim 6, Butler discloses the subscriber unit continues to search the samples for other pilots to find new signals to process when the next paging slot occurs (col. 4, lines 51-54).

For claims 7 and 8, Butler discloses receiving signal during active (wake) period during paging slots comprising performing quick check (detection) without the use of finger elements to reduce power consumption (col. 1, lines 50-63).

For claim 9, Butler discloses processing is performed at an arbitrary clock frequency, such as 19 MHz unrelated to the original chip rate (col. 5, lines 58-62).

Regarding claims 11, 13, 16, 18, Butler disclose means for storing a portion of the received RF signal in a memory RF module comprise a memory device, a control system (microprocessor) or digital signal processor controlled by software stored in memory (col. 6, lines 35-38).

For claims 12, 14, 17, 19, Butler discloses means for storing a portion of the received RF signal in a memory RF module comprise a memory device, a control system (microprocessor) or digital signal processor controlled by software stored in memory (col. 6, lines 35-38), the use of sample RAM 204 allows demodulation engine within searcher 206 (col. 5, lines 1-11).

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Sarkar et al (US Patent 6,728,300) is cited as art of interest showing method and apparatus for data processing.

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4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Qutub Ghulamali whose telephone number is (703) 305-7868.

The examiner can normally be reached on Monday-Friday from 8:00AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammed Ghayour can be reached on 703 306-3034. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

QG.
July 22, 2004.

TEMESGHEN GHEBRETINSAE
PRIMARY EXAMINER
7/23/04
[Signature]